

ABSTRACT

A collision avoidance control system for a vehicle is provided which is designed to determine a target collision avoidance deceleration required for a system vehicle equipped with this system to bring a relative speed between the system vehicle and a target object into agreement with substantially zero without a physical collision with the target object and to determine a possibility of collision with the target object as a function of the target collision avoidance deceleration. When the possibility of collision is higher than a given threshold level, the system starts to decelerate the system vehicle. This enables the avoidance of collision with the target object at a decreased operation load on the system.